



970214

To: Stan Rickard, Public Works Director
From: John Johnson, Technical Services Supervisor JJ
Date: November 12, 1997
Subject: Request for stop signs at LaLonde and Berkshire

Ms. Fukar, 480 N. LaLonde, requested stop signs at the intersection of LaLonde and Berkshire. The intersection is currently controlled by yield signs. Attached for your review is the accident report, traffic analyzer reports and a diagram of the intersection.

Accident reports were run from January 1993 through December 1995. Additional accident reports were hand pulled from the Police Department files from January 1996 through July 1997. There were 2 reported accidents during this period. This can be contributed to the low traffic volumes on LaLonde.

The traffic analyzer recorded the average speed on LaLonde was 16 mph and 25 mph on Berkshire.

The diagram shows significant obstructions on the northwest corner of this intersection. The C.A.S. (Critical Approach Speed) is 5 mph. A Yield sign is warranted when C.A.S. are between 10 and 15 mph and a stop sign is warranted when speeds are lower than 10 mph.

On the basis of the information, I would recommend converting north and southbound yield signs to stop signs at LaLonde and Berkshire.

JJ

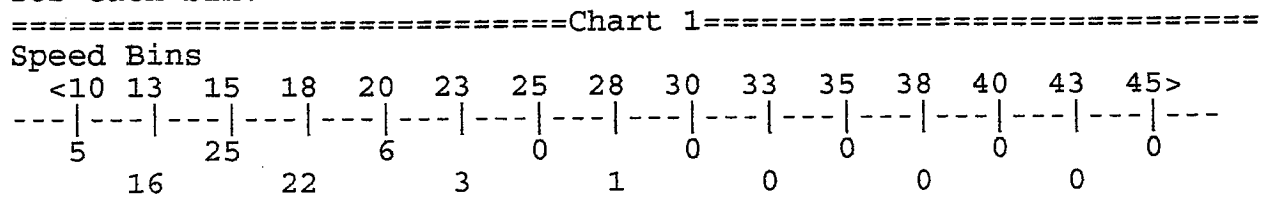
cc: John Jaugilas, Trustee - District 4
Paul Kufrin, Trustee - District 6
Ms. Fukar, 480 N. LaLonde
Transportation and Safety Committee

NU-METRICS Traffic Analyzer Study
 Computer Generated Summary Report
 Route: NB LALONDE
 Location: BERKSHIRE

A survey of vehicle traffic was conducted with HISTAR unit number 427. The survey was done in the 0 lane on NB LALONDE in LOMBARD, IL, in DUPAGE county. The survey lasted for 24.0 hours and began on Tuesday, October 14, 1997 at 1:00pm and ended on Wednesday, October 15, 1997 at 1:00pm. Data were recorded in 60 minute time periods. The total recorded volume of traffic showed 84 vehicles passed through the location with a peak volume of 9 on Tuesday, October 14, 1997 at 3:00pm and a minimum volume of 0 on Wednesday, October 15, 1997 at 3:00am.

SPEED

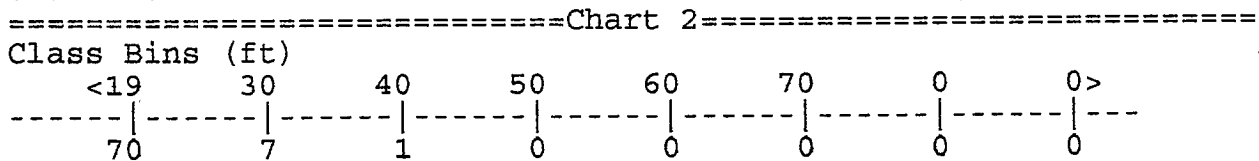
Chart 1 lists the values of the speed bins and the total volume for each bin.



Half of the vehicles were traveling at 15 Mph or lower speed. The average speed for all classified vehicles was 16.0 Mph with 0.0 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 14.9 Mph and the 85th percentile was 18.3 Mph.

CLASS

Chart 2 lists the values of the 8 class bins and the total volume for each bin.



Most of the vehicles were passenger cars with a total count of 70. This represents 89.74 percent of the classified vehicles. The truck percentage is 10.26 percent of the classified vehicles.

HEADWAY

During the peak time period, on Tuesday, October 14, 1997 at 3:00pm the average headway between the vehicles was 400.00 seconds. The slow period occurred on Wednesday, October 15, 1997 at 3:00am and the headway between the vehicles averaged 0.00 seconds.

WEATHER

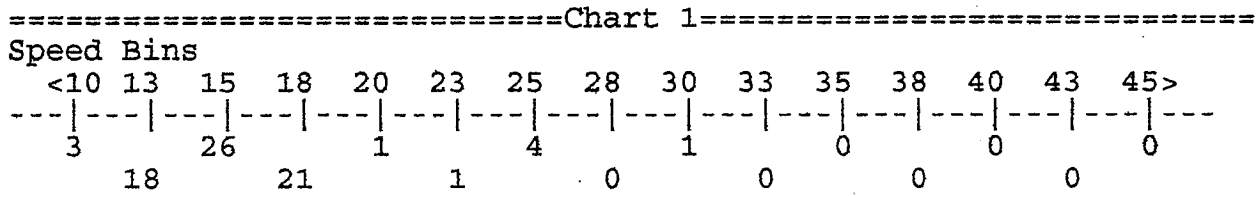
The roadway surface temperature over the period of the study varied between 41 degrees Fahrenheit and 78 degrees Fahrenheit. The HI-STAR analyzer determined that the roadway surface was DRY 100 percent of the time.

NU-METRICS Traffic Analyzer Study
 Computer Generated Summary Report
 Route: SB LALONDE
 Location: BERKSHIRE

A survey of vehicle traffic was conducted with HISTAR unit number 429. The survey was done in the 0 lane on SB LALONDE in LOMBARD, IL, in DUPAGE county. The survey lasted for 24.0 hours and began on Tuesday, October 14, 1997 at 1:00pm and ended on Wednesday, October 15, 1997 at 1:00pm. Data were recorded in 60 minute time periods. The total recorded volume of traffic showed 86 vehicles passed through the location with a peak volume of 13 on Tuesday, October 14, 1997 at 3:00pm and a minimum volume of 0 on Tuesday, October 14, 1997 at 10:00pm.

SPEED

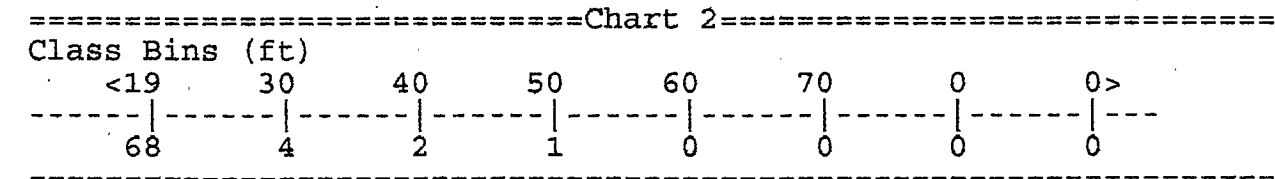
Chart 1 lists the values of the speed bins and the total volume for each bin.



Half of the vehicles were traveling at 15 Mph or lower speed. The average speed for all classified vehicles was 16.1 Mph with 0.0 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 14.8 Mph and the 85th percentile was 17.9 Mph.

CLASS

Chart 2 lists the values of the 8 class bins and the total volume for each bin.



Most of the vehicles were passenger cars with a total count of 68. This represents 90.67 percent of the classified vehicles. The truck percentage is 9.33 percent of the classified vehicles.

HEADWAY

During the peak time period, on Tuesday, October 14, 1997 at 3:00pm the average headway between the vehicles was 276.92 seconds. The slow period occurred on Tuesday, October 14, 1997 at 10:00pm and the headway between the vehicles averaged 0.00 seconds.

WEATHER

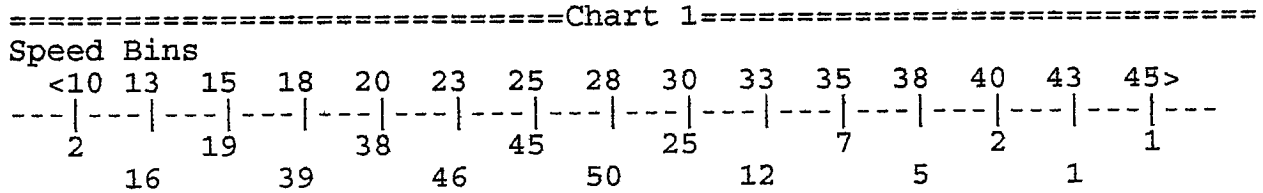
The roadway surface temperature over the period of the study varied between 41 degrees Fahrenheit and 86 degrees Fahrenheit. The HI-STAR analyzer determined that the roadway surface was DRY 100 percent of the time.

NU-METRICS Traffic Analyzer Study
 Computer Generated Summary Report
 Route: EB BERKSHIRE
 Location: LALONDE

A survey of vehicle traffic was conducted with HISTAR unit number 0. The survey was done in the 0 lane on EB BERKSHIRE in LOMBARD, IL, in DUPAGE county. The survey lasted for 24.0 hours and began on Tuesday, October 14, 1997 at 1:00pm and ended on Wednesday, October 15, 1997 at 1:00pm. Data were recorded in 60 minute time periods. The total recorded volume of traffic showed 310 vehicles passed through the location with a peak volume of 35 on Tuesday, October 14, 1997 at 5:00pm and a minimum volume of 0 on Wednesday, October 15, 1997 at 2:00am.

SPEED

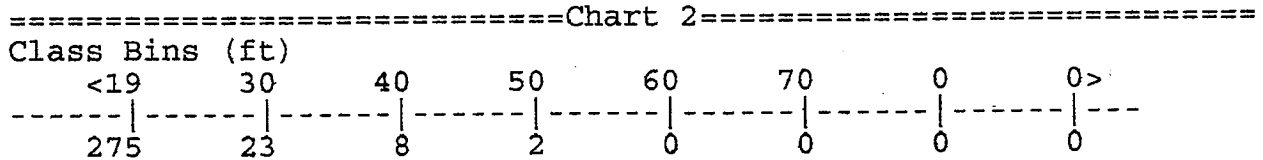
Chart 1 lists the values of the speed bins and the total volume for each bin.



Half of the vehicles were traveling at 23 Mph or lower speed. The average speed for all classified vehicles was 23.7 Mph with 9.1 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 23.1 Mph and the 85th percentile was 29.0 Mph.

CLASS

Chart 2 lists the values of the 8 class bins and the total volume for each bin.



Most of the vehicles were passenger cars with a total count of 275. This represents 89.29 percent of the classified vehicles. The truck percentage is 10.71 percent of the classified vehicles.

HEADWAY

During the peak time period, on Tuesday, October 14, 1997 at 5:00pm the average headway between the vehicles was 102.86 seconds. The slow period occurred on Wednesday, October 15, 1997 at 2:00am and the headway between the vehicles averaged 0.00 seconds.

WEATHER

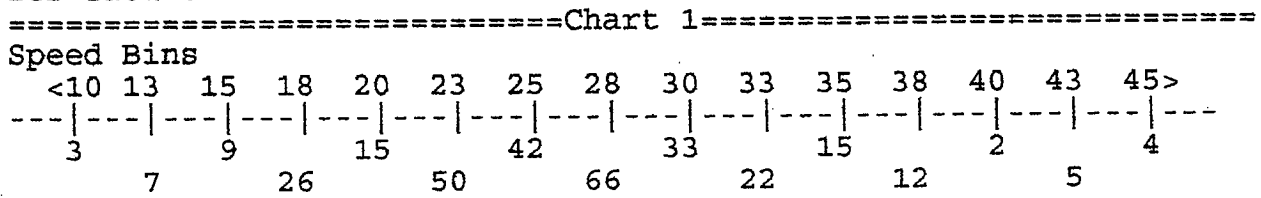
The roadway surface temperature over the period of the study varied between 43 degrees Fahrenheit and 70 degrees Fahrenheit. The HI-STAR analyzer determined that the roadway surface was DRY 100 percent of the time.

NU-METRICS Traffic Analyzer Study
 Computer Generated Summary Report
 Route: WB BERKSHIRE
 Location: LALONDE

A survey of vehicle traffic was conducted with HISTAR unit number 426. The survey was done in the 0 lane on WB BERKSHIRE in LOMBARD, IL, in DUPAGE county. The survey lasted for 24.0 hours and began on Tuesday, October 14, 1997 at 1:00pm and ended on Wednesday, October 15, 1997 at 1:00pm. Data were recorded in 60 minute time periods. The total recorded volume of traffic showed 311 vehicles passed through the location with a peak volume of 32 on Tuesday, October 14, 1997 at 5:00pm and a minimum volume of 0 on Wednesday, October 15, 1997 at 2:00am.

SPEED

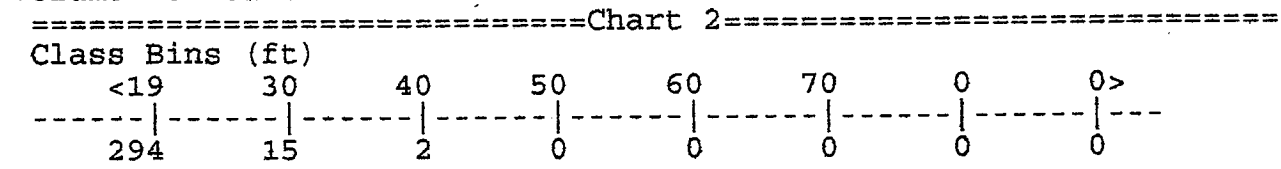
Chart 1 lists the values of the speed bins and the total volume for each bin.



Half of the vehicles were traveling at 28 Mph or lower speed. The average speed for all classified vehicles was 26.5 Mph with 19.3 percent exceeding the posted speed of 30 Mph. The HI-STAR found 0.0 percent of the vehicles were traveling in excess of 55 Mph. The mode speed for this traffic study was 25.7 Mph and the 85th percentile was 32.3 Mph.

CLASS

Chart 2 lists the values of the 8 class bins and the total volume for each bin.



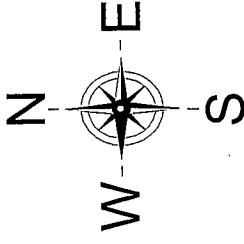
Most of the vehicles were passenger cars with a total count of 294. This represents 94.53 percent of the classified vehicles. The truck percentage is 5.47 percent of the classified vehicles.

HEADWAY

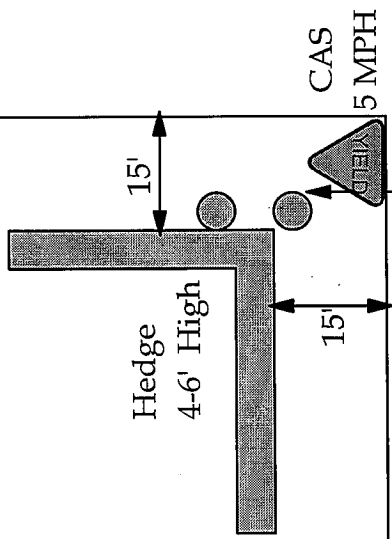
During the peak time period, on Tuesday, October 14, 1997 at 5:00pm the average headway between the vehicles was 112.50 seconds. The slow period occurred on Wednesday, October 15, 1997 at 2:00am and the headway between the vehicles averaged 0.00 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 43 degrees Fahrenheit and 80 degrees Fahrenheit. The HI-STAR analyzer determined that the roadway surface was DRY 100 percent of the time.



28'



Clear

Berkshire Ave.



Clear

Lalonde Ave.

Clear

28'

10-13-97